

ABSTRACT OF THE DISCLOSURE

5 A surface optical apparatus that includes a surface optical device with p-side and n-side electrodes, such as a surface emitting laser, a first substrate for supporting the surface optical device directly or through an elastic supporter formed of a or plural layers, and a first electrode wiring of at least a wire formed on the first substrate and electrically connected to the electrode. A current is injected into or a voltage is applied across the surface optical device through the first electrode wiring and the p-side and n-side electrodes. A photodetector for detecting light from the surface optical device may also be arranged in the vicinity of the optical device.